## SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM CHUNI WORLD BANK TO CHAUDHARY TOLA (SAHPUR),

NAME OF ROAD :- GIRDHARPATTI HAT VIA MIRRAPATTI

DIVISION: TRIVENIGANJ

BLOCK: CHHATAPUR

Actual Length of Road :- 9.300 Km Flood Affected Length of Road :- 0.802 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	64,575.8534
2	BRICK BATS	617,818.13
3	BAMBOO PILE	-
4	BAMBOO SUPPLY	-
5	EC BAG	-
6	GEO BAG	-
7	GRANULAR SUB BASE	961,417.78
8	HUME PIPE	-
	Total Cost =	1,643,811.76
	Add:-Labour Cess @1% amt. =	16,438.12
	Add:GST@12% on amt. =	197,257.41
	Add:S.F.@ 10% on Material =	49,717.24
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	1,907,225

Junior Engineer
RWD (W) Division, Triveniganj

Assistant Engineer RWD (W) Division, Triveni

Executive Engineer RWD (W) Division,Triveniganj

Vide letter 30 3795-4 (30) alaer (and) 23-291/2019-4849

Technically Sometioned for Ry-1907225-007 (that is ninetgen lokh seven thousand two hundred twenty five repess only)

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> Rural Works Department Porks Circle Madher

				Detaile	of Me	asure	ement			T
				Details	501111		rement Measurement			1
7					100	संख्या	लम्बाई	चौड़ाई	ऊचाई	मात्रा
		का ब्यौरा		-		No.	in m.	In m.	In m.	Quantity
		all of Work			II a					
	Dear	an or work						ATION OF I	DOAD ERO	м сни
					men	DDOR)	RESTOR	ATION OF	RUAD FRU	AT MIA
	- 5	DETA	ILED ES	TIMAE I	FORTEN	TROIL	A (SAHPU	R), GIRDHA	RPATTIH	AI VIA
	OAD :	WOR	RLD BAN	к то сн	IAUDHAI					
NAME OF F	OAD	1101	LDD Din			MIRR	APATTI			
							a-seification			
	Sand filling	in Foundati	ion Trench	es as per D	rawing & T	echnical (	Specification			
Item No. 1	Sand Illing								0.60	36.000
						1	30	2.000		12.000
CH:-in .						<del>-</del>	10	2.000	0.60	48.000
CH:-in .						2	20	2.000	0.60	
CH:-in .						1	20	2.000	0.30	12.000 9.600
CH:-in .						1	10	1.600	0.60	
CH:-in .										117.600
						ith ma	shonical me	ans with all spr	eading,	1
Item No. 2	Providing a	nd laying of	f Brick bat	obtained fr	om chimne	y with ma	uired deneit	ans with all spr	ete as per the	;
	grading to r	required slo	ope and co	mpacted at	OMC to ac	cheive req	ulled defisit)	with all compl		
	direction of	engineer in	n charge.				30	3.500	0.300	31.500
CH:-in						1		3.000	0.450	162.000
CH:-in						4	30	3.600	0.300	32.400
CH:-in						1	30		0.300	68,400
CH:-in						2	30	3.800		27.000
CH:-in						1	30	3.000	0.300	
										321.300
			Lana	Can Dina		0	22/	7x(0.6)2x2.5	(-)	0.000
			Less	For Pipe					(in Cum)	321,300
tem No. 3					nboo piles t	o size and	l making sho	es and driving	etc. complete	·
	job as per	specificatio	on and dire	ction of E/I						
CH:-in						3	0		4.00	0.000
		For B	amboo pill	ing 1.25m				Total (in m	1)	0.000
Item No. 6	Supply of E									
	1							Total (in n	1)	0.00
	T							Total (in no		0.00
	+							Total (III IIo	3.,	
	1									0.00
Item No. 3								acing including	supply of sut	11
	and EC ba	ig etc. all ci	omplete as	s per appro	ved desing	, specifica	tion and dire	ection of E/I		
CH:-in						1	0.00		4.50	
CH:-in							0.00	2	1.50	0.00
CHIII	(0.0242-	-46 -	C Paral				10	otal (in cum)		0.00
	(0.034m3=	=1 no. of E	C Bags)							0.00
							To	otal (in nos.)		0.00
Item No. 4	Decision .		eu:		4 4	·-				
	Providing,	aying and f	Tilling Geo	pags of siz	e 1m X 0.7	m(Type	4 300 GSM I	nonwoven) wei	ght of bags	
	420g volur	ne of filled	bag 0.07n	n3. weight	of filled Ge	o bags 12	6 Kg with loo	cal sand includ	ing stitching ir	1
	four lines b	by approve	d nylon thr	ead with st	itching mad	hine and	generator st	acking and pla	cing after	1
	loading un	loading and	d carriage	with help o	of trolley wit	hin 150m	lead all con	plete as per s	pecifications	
	and directi	on of E/I (ir	ncluding C	arriage of l	ocal sand	lead 0.5 l	(m)			
						2	0	2.00	0.45	0.00
CH:-in						1 -		2.00	1 0.43	
CH:-in										
CH:-in										0.00
CH:-in	(0.076m3=	1 no. of G	eo Bags)							0.00
CH:-in		1 no. of G	eo Bags)				Т	otal (in nos )		0.00
	(0.076m3=	1 no. of G	eo Bags)				Т	otal (in nos.)		
	(0.076m3=			ase hy pro-	iding well a	uradad				0.00
	(0.076m3=	on of granu	ular sub-ba	ase by prov	riding well g	graded m	aterial, sprea	adina in uniforn	n	0.00
	(0.076m3=	on of granu tractor mo	ular sub-ba	der arrang	ement on p	repared:	aterial, sprea	ading in uniforn	ace	0.00
	(0.076m3=	on of granu tractor mo	ular sub-ba ounted gra r at OMC,	der arrang and comp	ement on pacting with	repared s	aterial, sprea surface, mixi wheel roller	ading in uniforning by mix in pla	ace	0.00
	(0.076m3=	on of granu tractor mo	ular sub-ba ounted gra r at OMC,	der arrang and comp	ement on pacting with	repared s	aterial, sprea surface, mixi wheel roller se 401.( <b>Gr-</b> l	ading in uniforning by mix in plate to achieve the	ace	0.00
	(0.076m3=	on of granu tractor mo	ular sub-ba ounted gra r at OMC,	der arrang and comp	ement on pacting with	repared s	aterial, sprea surface, mixi wheel roller	ading in uniforning by mix in plate to achieve the	ace	0.00
	(0.076m3=	on of granu tractor mo	ular sub-ba ounted gra r at OMC,	der arrang and comp	ement on pacting with	repared s smooth tion Clau	aterial, sprea surface, mixi wheel roller se 401.( <b>Gr-</b> l	ading in uniforning by mix in plate to achieve the Material)	0.15	0.00 0.00 0 13.500
	(0.076m3=	on of granu tractor mo	ular sub-ba ounted gra r at OMC,	der arrang and comp	ement on pacting with	repared s smooth tion Clau 2	aterial, sprea surface, mixi wheel roller se 401. <b>(Gr-I</b> 15	ading in uniforning by mix in plate to achieve the Material)  3.00	0.15 0.15	0.00 0.00 0 13.500 0 5.4000
	(0.076m3=	on of granu tractor mo	ular sub-ba ounted gra r at OMC,	der arrang and comp	ement on pacting with	smooth tion Clau 2 1	aterial, sprea surface, mixi wheel roller se 401.(Gr-I 15 18	ading in uniforning by mix in plate to achieve the Material)  3.00 2.00 3.00	0.15 0.15 0.10	0.00 0.00 0 13.500 0 5.4000 0 18.000
	(0.076m3=	on of granu tractor mo	ular sub-ba ounted gra r at OMC,	der arrang and comp	ement on pacting with	orepared s smooth tion Clau 2 1 2 2	aterial, spreasurface, mixi wheel roller se 401.(Gr-l 15 18 30	ading in uniforning by mix in plate to achieve the Material)  2.00  3.00  3.00  3.00	0.15 0.15 0.10 0.10	0.00 0.00 0 13.500 0 5.4000 0 18.000 0 27.000
	(0.076m3=	on of granu tractor mo	ular sub-ba ounted gra r at OMC,	der arrang and comp	ement on pacting with	smooth tion Clau	aterial, spreasurface, mixi wheel roller se 401.(Gr-l 15 18 30 30	ading in uniforming by mix in plate to achieve the Material)  2.00  3.00  3.00  2.50	0.15 0.15 0.10 0.10 0.10 0.10	0.00 0.00 0.00 13.500 0 5.4000 0 18.000 0 27.000 0 8.0000
	(0.076m3=	on of granu tractor mo	ular sub-ba ounted gra r at OMC,	der arrang and comp	ement on pacting with	smooth tion Clau  2  1  2  4  4	aterial, spreasurface, mixi wheel roller se 401.(Gr-l 15 18 30 30 8	ading in uniforming by mix in plate to achieve the Material)  3.00  2.00  3.00  3.00  2.50  3.00	0.15 0.15 0.10 0.10 0.10 0.10	0.00 0.00 0.00 13.500 0 5.4000 0 18.000 0 27.000 0 8.0000 0 4.1400
	(0.076m3=	on of granu tractor mo	ular sub-ba ounted gra r at OMC,	der arrang and comp	ement on pacting with	smooth tion Clau  2 1 2 2 4 4 5	aterial, spreasurface, mixiwheel rollerse 401.(Gr-1 15 18 30 30 8 2.3	ading in uniforming by mix in plate to achieve the Material)  3.00  2.00  3.00  2.50  3.00  3.00  3.00  3.00  3.00  3.00  3.00  3.00  3.00  3.00  3.00	0.15 0.15 0.10 0.15 0.10 0.15 0.10 0.15 0.15	0.00 0.00 0.00 0 13.500 0 5.4000 0 18.000 0 27.000 0 8.0000 0 4.1400 0 33.750
CH:-in	(0.076m3=	on of granu tractor mo	ular sub-ba ounted gra r at OMC,	der arrang and comp	ement on pacting with	smooth tion Clau  2  1  2  4  4	aterial, spreasurface, mixi wheel roller se 401.(Gr-l 15 18 30 30 8	ading in uniforming by mix in play to achieve the Material)    3.00	0.15 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.00 0.00 0.00 0 13.500 0 5.400 0 18.000 0 27.000 0 8.000 0 4.140 0 33.750 0 24.000

		16 3.00	0.150	28.8000
	4	10	0.400	18.0000
The state of the s	6	12 2.00	- 450	33.7500
JE 1472	5	10	0.450	27.0000
10 10 10 10 10 10 10 10 10 10 10 10 10 1	2	30	0.450	27.0000
The state of the s	2	30	0.450	27.0000
15 15 15 15 15 15 15 15 15 15 15 15 15 1	2	30	Total (Cum)	319.340
6 Providing and Laying Reinforced	1 2 perote Pine NP3 as	per design in Single Roy	v(1000mm Dia).	
6 Providing and Laying Reinforced	Cement Concrete 1 ips	25		0.00
	n.0.00km 2	0 2.5	Total (in m)	0.00

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Executive Engineer

Executive Engineer
Rural Jorks Department
Work Division, Triveniganj

## Calculation of Seigniorage Fees

## DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM CHUI WORLD BANK TO

NAME OF ROAD :- CHAUDHARY TOLA (SAHPUR), GIRDHARPATTI HAT VIA MIRRAPATTI

	LOCK :-	CHHATAPUR				
		TO ACC	OTY	UNIT	RATE	AMOUNT
S.No	SOR NO	DESRIPTION OF ITEMS	V			
	12.3	Sand filling in Foundation Trenches as per Drawing &				
1/1	123					

P		O DESRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
S.Ne	SORN	Sand filling in Foundation Trenches as per Drawing &				
1/	1 12.3	Technical Specification	117.60	Cum	116.85	13741.56
		Sand	117.00	Odin	,,,,,,,	
2/2	2 A/R	Providing & laying Brick Bat				
- 1		Providing and laying of Brick bat obtained from				
- 1		chimney with machenical means with all spreading,	i			
1	. u	grading to required slope and compacted at OMC to				
1	1	acheive required density with all complete as per the				
		direction of engineer in charge.				
		Brick Bats	321.30	Cum	1032.00	331581.60
1		Labour filling empty cement bags with loocal sand,				
3/7	5.7.40.1	stitching the bags and placing including supply of sutli				
	1	and EC bag etc. all complete as per approved desing, specification and direction of E/I				
		Sand	0.00	Cum	116.85	0.00
		Providing, laying and filling Geo bags of size 1m X 0.7	0.00			
1	1	m(Type A 300 GSM nonwoven) weight of bags 420g				
1		volume of filled bag 0.07m3, weight of filled Geo bags				
4/8	5.7.40.2	126 Kg with local sand including stitching in four lines by			-	
4/6	3.7.40.2	approved nylon thread with stitching machine and				
		generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all				
		complete as per specifications and direction of E/I				
		(including Carriage of Local sand lead 0.5 km)				
		Sand	0.00	Cum	116.85	0.00
		Construction of granular sub-base by providing well			-110.00	0.00
1		graded material, spreading in uniform layers with tractor				
5/9	401	mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC,				
	401	and compacting with smooth wheel roller to achieve				
- 1		the desired density, complete as per Technical				
		Specification Clause 401.				
		For Grading II Material (with Coarse Sand Screening)				
		Unit = Cum				
		Taking output = 300 cum				
		Coarse graded granular sub-base material as per Table 400.2				
_		53 mm to 9.5mm @ 50 percent	180.00	Cum	516.42	92955.60
		9.5 mm to 2.36 mm @ 20 percent	72.00	Cum	411.33	29615.76
		2.36 mm below @ 30 percent (coarse Sand Screening)	108.00	Cum	185.94	20081.52
		Cost for 300 cum = a				142652.88
		Rate psr Cum = (a)/300		Cum		475.51
		A.V.	319.34	Cum	475.51	151849.24
		GSB Gr-II	2.3.01		377 0.01	151849.24
					TOTAL	497172.40
		Seigniorage Fees @10% of Basic Amount	E .		Say	49717.24
						73711124

Executive Engineer
Rural Josephartment Work Division Irivenigan

## **Estimate of Flood affected Road**

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM BLOCK :- NAME OF ROAD :- CHUI WORLD BANK TO CHAUDHARY TOLA (SAHPUR), GIRDHARPATTI

**CHHATAPUR** 

			QTY	UNIT	RATE	AMOUNT
S.No	SOR NO	DESRIPTION OF ITEMS  Sand filling in Foundation Trenches as per Drawing &	117.60	Cum	549.11	64575.85
1	301.5	Technical Specification				
2	A/R	Providing and laying of Brick bat obtained from chimney with machenical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.	321.30	Cum	1922.87	617818.13
3	5.7.7	Labour for cutting 62mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I	0.00	m	45.86	0.00
4	5.7.8	Labour for fitting and fixing Split bamboo woven chachari in position with 20 swg G.I wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E/I	0.00	sqm	78.20	0.00
5	5.7.9	Labour for fitting and fixing 75 mm dia bamboo runners in position at every vertical pole with 150 mm long nails or 38 swg G.l. wire including cost of G.l wire or nails complete job as per specification and direction of E/I	0.00	m	5.31	0.00
6		Supply of Bamboo at site.	0.00	nos.	188.39	0.00
3	5.7.40.1	Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutli and EC bag etc. all complete as per approved desing, specification and direction of E/I	0.00	nos.	36.10	0.00
4		Providing, laying and filling Geo bags of size 1m X 0.7 m(Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m3. weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carriage of Local sand lead 0.5 km)	0.00	Each	172.18	0.00
5	401	Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	319.340	Cum	3010.64	961417.78
6		Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	0.00	m	4041.99	0.00
		Total			Rs.	1643811.76

Executive Engineer Rural Jorks Department Work Division, Trivenigani